

**IEEE CINCINNATI
SECTION
NEWSLETTER
APRIL 2005**



APRIL MEETING

MARS - DISCOVERIES & MISSIONS

DATE: Thursday, April 28, 2005

PLACE : Raffel's – 10160 Reading Road (see below for directions)

TIME : 5:30 p.m. to 7:00 p.m. - Social Time/Dinner
7:00 p.m. to 8:30 p.m. - Program

COST FOR DINNER: \$10.00 for Student Members
\$15.00 for Members
\$20.00 for Non-Members

THERE WILL BE A DOOR PRIZE GIVEAWAY AT THIS MEETING!!! PLEASE SEE BELOW!!!!

MENU SELECTIONS: Stuffed Pasta Shells, BBQ'd Ribs, Marinated Char Grilled Chicken Breast, Au Gratin Potatoes, Seasoned Green Beans, Cole Slaw, Tossed Salad, Dinner Rolls and Butter, Assorted Cheese & Fruit Filled Tarts, Coffee, Tea Iced Tea, Soft Drinks. There is also a bar available for the purchase of alcoholic drinks. Raffel's is located at 10160 Reading Road, south of Glendale-Milford Road on the east side of Reading. Take I-75 to the Glendale-Milford Rd. Exit, go east on Glendale-Milford Road approximately 3/4 of a mile to Reading Rd. and turn right on Reading.

Please call the Cincinnati Section Voice Mailbox at **513-629-9380**, by **Noon, Tuesday, Apr. 26, 2005** if you plan to attend. Please leave your Name, IEEE Member Number, and a daytime telephone number. You can also make a reservation by e-mailing our Arrangements Chair, Charlie Nash, at cnash@ieee.org.

ABOUT THE PRESENTATION: This month's meeting of the IEEE Cincinnati Section presents a presentation by Mr. Jim Simek of the National Aeronautics and Space Administration (NASA) on the planet Mars. The presentation will concentrate on the following periods of time:

1600's & 1800's	views from the earth - canals, roads, Martians??
1900's - 1960's	Mariner & Viking spacecraft get better pictures
1990's - now	Pathfinder, Spirit & Opportunity

ABOUT THE PRESENTER: Jim Simek, a Business Administration Management Specialist, joined the staff of the National Aeronautics and Space Administration's John H. Glenn Research Center in January 1977. [In March 1999, the Lewis Research Center was renamed the John H. Glenn Research Center at Lewis Field.]

A member of the Facilities and Technical Engineering Directorate, Mr. Simek is involved in property management. He is responsible for real property and facilities utilization records for over 350 buildings and

structures and 3.5 million square feet of office and non-office space. Additionally, he provides asset and space management for the facility managers at Glenn Research Center. His technical background is in communications equipment and configuration control from the Air Force, and in electronics at Glenn.

He began his NASA career as an apprentice electronics technician, then as an electronics technician journeyman. His awards and honors include a Flutter Research Team award for use of sophisticated electronics in 1982. He was recognized in individual and team awards in the telecommunications area in 1989. He was also recognized for making contributions to real property accounting and total quality initiative with Special Act or Service awards.

Prior to working at NASA, he was employed at the Cleveland Clinic Foundation as an X-Ray service technician.

Mr. Simek served in the United States Air Force as a Radio Maintenance Technician. He also was a member of the Air Force Reserve as a Configuration Control Manager for the Air Intelligence Agency as a Chief Master Sergeant for over 30 years.

A native of Cleveland, Ohio, Mr. Simek earned a Master of Business Administration degree in 1990 from Cleveland State University.

Mr. Simek has been a leader in NASA Glenn's Boy Scout Explorer program. He is a part-time electronics, math and physics instructor and educator at Polaris Vocational School. He has also taught courses at Cleveland State University. He enjoys communicating about NASA activities and programs to the public and professional organizations, through his community involvement in the NASA Speakers Bureau.

Mr. Simek and his family reside in Cleveland, OH he has three children Mike, Theresa & Christine.

DOOR PRIZE GIVEAWAY!!!!!!!!!!!!

Each IEEE Member who attends this meeting will receive a raffle ticket at the sign-in table. You must show your 2005 IEEE membership card or life member membership card to verify your raffle eligibility, so be sure to bring it with you. The door prize is an **Apple iPod**. The drawing will take place after the presentation and you must be present to win. Good Luck!!

CHAIR'S MESSAGE

by Jim Everly, Section Chair

Last month's meeting presented an overview of the Honors Program in Electrical and Computer Engineering Technology (ECET) at the University of Cincinnati. Three ECET department Honors projects were accepted for publication and presented at the annual 2005 American Association of Engineering Educators (ASEE) conference in Portland, Oregon, in June. The March IEEE meeting served as a dry run for the presentations.

The section Executive Committee met last month and we are still working on the final budget for 2005. We are interested in funding projects or short Saturday morning workshops that focus on specific technical interests of the community. If you have an interest in learning how to measure the electrical parameters of quartz crystals, of learning how to use Matlab, etc., please provide us with your interests and we can set-up a short workshop.

The Executive Committee voted to elect Brian Resnick as the Professional Activities Chairperson (PACE) for the Cincinnati Section. Also, as A PACE activity, a Senior Member Elevation workshop is planned for Harris Corporation, Mason, Ohio, in the near future. This "company visitation program" is a new section activity wherein

the Senior Member Elevation Committee of the Cincinnati Section visits companies in the area and conduct a Senior Member Elevation workshop. If you have individuals at your company that want to be elevated to IEEE Senior Member, please contact Brian Resnick or me to set up a visit.

This month's meeting is very interesting and you are encouraged to sign up early. Moreover, the door price is fantastic!

NEW MEMBERS

The following individuals are IEEE members who are new to our Section:

Robert J. Blatter II	Xin Jia	Lloyd W. Mason	Eladio J. Perez	Robert J. Smith II
Jeff Brandt	James Kimbrell	Jim M. McDonough	Paul J. Pfeiffer	Tom Wessel
Andy Craig	Michael J. Kruse	Logan A. Niehaus	Tulio A. Pineda	Rayjan Wilson
Radu S. Curiac	John W. Major	Lloyd W. Mason	Gary R. Russell	Huiying Yang
Akaose A. Ibeaji	Inder Makin	Jim M. McDonough	Jeff Schnitker	Sheng Zeng

We wish to welcome these new members to our Section!!!

University of Cincinnati - College of Applied Science Department of Electrical and Computer Engineering Technology (ECET) Looking for an Assistant Professor

The ECET department invites applications for a tenure track Assistant Professor of Computer Engineering Technology to begin teaching in Fall 2005. The department offers the Associate and Bachelor degrees in Electrical Engineering Technology (EET) and the Bachelor degree in Computer Engineering Technology (CET). Responsibilities include developing and teaching lecture and laboratory courses in both day and evening programs mainly in computer related areas, advising students, participation in scholarly activities, and service to the profession and university. Minimum requirements include a master's degree in electrical or computer engineering or engineering technology, teaching experience and demonstrable communications skills, along with three years relevant full time industrial experience. PhD and professional registration are plusses. The position will be available Fall, 2005 and will remain open until filled. Candidates from industry or engineering and engineering technology programs are encouraged to apply. Applicants that are not United States citizens must possess appropriate visa status. Applicants should send a letter of application, resume/vita, to include the name, address, telephone number and email address of four references to Professor Elvin Stepp (Elvin.Stepp@UC.Edu), University of Cincinnati. College of Applied Science, 2220 Victory Pkwy, Cincinnati, OH, 45206-2839.

A History of Electrical Engineering *Submitted by Dick Reiman, Historian*

Copyright 1993 IEEE. Reprinted with permission from the IEEE publication, "Scanning the Past" which covers a reprint of an article appearing in the Proceedings of the IEEE Vol. 81, No.10, October 1993.

Karl G. Jansky

Sixty years ago this month, the PROCEEDINGS OF THE INSTITUTE OF RADIO ENGINEERS (IRE) included Karl Jansky's classic paper reporting reception of "electromagnetic waves of an unknown origin" but believed to be from "some source outside the solar system." Jansky, a research engineer with the Bell Telephone Laboratories, stated that he initially had detected the mysterious waves in 1931 and had continued with a "comprehensive study of them " during 1932. He had used a slowly rotating directional antenna, a receiver tuned to 14.6 m, and a chart recorder to obtain data on the direction and intensity of the waves as a

function of time. Analysis of the data led Jansky to conclude that "the waves come, not from the sun, but from a direction which remains constant throughout the year." He noted that the waves seemed to come approximately from the direction of Sagittarius in the Milky Way although his system was not accurate enough to identify a specific source.

Jansky was born in 1905 in Norman, OK, where his father was Dean of Engineering at the University. Jansky was named for Karl Guthe, a German-American physicist and teacher whom his father admired. In 1908 the Jansky family moved to Madison, WI, where his father became a professor and where Karl developed an early, interest in radio. He graduated in physics from the University of Wisconsin in 1927 and played on the ice hockey team while in school. He taught for a year at Wisconsin and later received the M.S. degree in 1936. He accepted a job offer at the Bell Telephone Laboratories in July 1928 and spent about two years at a radio laboratory in Cliffwood, NJ .

Jansky's first assignment was to investigate natural sources of radio static, and he undertook construction of a short-wave recording system in addition to doing measurements of static interference with long-wave reception. His project suffered a temporary interruption when the laboratory was moved to a new site in Holmdel, NJ, a few miles away. By December 1931, he had managed to identify three sources of short-wave static: local thunderstorms, distant storms, and a steady hiss of uncertain origin. Initially he suspected that the third form of noise came from the sun but, as his observations were continued over the next several months, he realized that the origin was from beyond the solar system. In a later PROCEEDINGS paper published in October 1935, he wrote that the "interstellar interference" might be due to thermal agitation of electrically charged particles.

Many years later, it was determined by others that the noise observed by Jansky was synchrotron emission from electrons in regions with intense magnetic fields near the center of the galaxy. His failure to detect radio noise emission from the sun has been attributed to the fact that his observations were made during a near minimum of the eleven-year sunspot cycle. Radio frequency emission from the sun was in fact detected by J. S. Hey in Great Britain in February 1942 and by Grote Reber in the United States in 1943. It has been speculated that astronomers might have taken an earlier interest in Jansky's work if he had identified the sun as a radio source. Although the significance of his findings was not fully appreciated at the time they were reported in the early 1930's, his identification of extraterrestrial radio noise did mark the effective beginning of the new science of radio astronomy.

During World War II, Jansky engaged in research on radio direction finders and later worked on development of more sensitive amplifiers. Declining health after the war caused him to require protracted leaves of absence from work and led to an untimely death in February 1950 at age 44. There was a growing interest in the field of radio astronomy in the postwar years. When a national radio astronomy observatory was established in 1958 in Green Bank, WV, the main building was named for Jansky in honor of his pioneering contribution.

*James E. Brittain
School of History, Technology, and Society
Georgia Institute of Technology*

College of Applied Science

TECH EXPO 2005

TECH EXPO

Friday, May 20, 2005
10:00 a.m. – 7:00 p.m.

Cinergy Center

(Convention Center – downtown Cincinnati)

contact:

Betsy Zelek

513/702-2732

bzms@zoomtown.com

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- Become a part of a permanent display at UC CAS that recognizes our top industry partners
- Be featured as a sponsor of our VIP networking reception and awards ceremony — *plus* invitations for your company representatives to attend this special event
- Sponsor a departmental award named for your business — award will honor a top student display at Tech Expo
- Receive a complimentary booth at the popular CAS Job Fair, held in 2005-06 — a \$250 value that provides access to hundreds of students and alumni!
- Assist in selection of the *Industry Partners Commendation Award* for the best senior project display
- 10' x 10' display booth during Tech Expo 2005
- Have a photo of your Expo booth *plus* a corporate listing in the 2005-06 edition of *Tech Record* (alumni publication — distribution 10,000)
- Corporate Listing in 2005 edition of the Tech Expo Program

RIEVESCHL

\$1500

- Sponsor a departmental award named for your business — award will honor a top student display at Tech Expo 2005
- Receive a complimentary booth at the popular CAS Job Fair, held in 2005-06 — a \$250 value that provides access to hundreds of students and alumni!
- Assist in selection of the *Industry Partners Commendation Award* for the best senior project display
- 10' x 10' display booth during Tech Expo 2005
- Invitation for your company representatives to attend the VIP networking reception at Expo 2005
- Have a photo of your Expo booth *plus* a corporate listing in 2005-06 edition of *Tech Record* (alumni publication — distribution 10,000)
- Corporate Listing in 2005 edition of the Tech Expo Program

PARKER

\$750

- 10' x 10' display booth during Tech Expo 2005
- Invitation for your company representatives to attend the VIP networking reception at Expo 2005
- Corporate Listing in 2005-06 edition of *Tech Record* (alumni publication — distribution 10,000)
- Corporate Listing in 2005 edition of the Tech Expo Program

Your sponsorship is tax deductible to the fullest extent of the law. Checks should be made payable to the University of Cincinnati Foundation.

EVERYONE IS INVITED TO ATTEND - NO ADMISSION CHARGE

**STOP BY TO SEE THE 100+
INTERESTING SENIOR STUDENT DESIGN PROJECTS**

IEEE NEWS

The latest edition of IEEE's "The Institute" is now available for reading at <http://www.ieee.org/theinstitute>

Included in this issue:

- Information Free-for-All? If open access -- a movement gaining momentum in academic publishing circles that proposes journal articles be made available online to all readers for free -- becomes a reality, the results could dramatically reshape the activities of all scholarly publishers, including the IEEE. Read more at <http://boldfish.ieee.org/u/openacc7d/04824637>
- Readers' Survey: Thumbs Up for The Institute. Our readers had good things to say about the changes to format and content recently made to The Institute, according to a survey of IEEE members conducted late last year. Some 79 percent of respondents rate the publication's quality as excellent or good, a jump from the 70 percent who voiced the same opinion in a survey conducted in 2001. Read more at <http://boldfish.ieee.org/u/survey7e/04824637>
- Stepping Up to Senior Member. What does it mean to be a senior member of the IEEE? At the very least it means you've met some basic requirements: working 10 years in the profession, including five demonstrating significant professional performance, and you've received three supporting references from other IEEE senior members or fellows. But this tells only part of the story. Senior members often find their status to be an asset in their careers. Learn more at <http://boldfish.ieee.org/u/senior7f/04824637>
- Distinguished Career Parallels South Korea's Revival. IEEE Fellow Jung Uck Seo has played a pivotal role in South Korea's technological development by overseeing the design and installation of telephone and cellular networks that helped lay the foundation for the country's rise in broadband communications -- a linchpin of the nation's success. Find out more about his career at <http://boldfish.ieee.org/u/korea7h/04824637>
- Marketplace of Ideas: Agog Over Blogs. More and more people claim they get their news from the estimated four million Weblogs, or blogs. Do you read blogs? Why? Weigh in at institute@ieee.org
- Half-Year Dues Now Available for Societies, Publications. Now may be a good time to try out a new society. Dues on new IEEE society memberships are now half price. Or try out a new IEEE publication since rates are now discounted for new subscriptions. To add societies or publications to your existing membership, visit the Add Services link at <http://boldfish.ieee.org/u/dues7i/04824637>
- IEEE Opens Search for Executive Director. The IEEE has initiated its search for a new executive director. If you have a strong business background with budget and management responsibilities at a senior level, you might want to consider applying for the position. Read a summary of the job description at <http://boldfish.ieee.org/u/exdir7k/04824637>
- Apply for a Job at Google Through IEEE Job Site. The IEEE Job Site now has more than 5200 listings, including 100 positions posted by Google, the Internet search company. The company is looking for people with world-class programming skills who are passionate about their work and want to make a difference in the world, according to the posting. Check out the Google jobs and other listings on the IEEE Job Site at <http://boldfish.ieee.org/u/goo7l/04824637>
- Teaching Teachers Technology. Launched in 2001 by IEEE Educational Activities to boost the quality of technical education in precollege classrooms, the Teacher In-Service Program offers educators

lessons on a variety of technical subjects, such as circuits and simple machines. Read more at <http://boldfish.ieee.org/u/teach85/04824637>

- Nine Standards That Keep Your Computer Going. Ever wonder about the role IEEE standards play in your personal computer? Thanks to nine IEEE standards, data flow in and out of the computer smoothly, software runs properly, and the information in the system can be protected from hackers. Read more at <http://boldfish.ieee.org/u/nine86/04824637>
- Survey: Salaries for U.S. IEEE Members Decline. For the first time in more than 30 years, the median income for U.S. IEEE members fell. That's according to the findings of the latest IEEE-USA Salary and Fringe Benefit Survey. In 2003 the median income stood at US \$99,500, a drop from the \$101,000 reported in 2002. Find out more at <http://boldfish.ieee.org/u/survey87/04824637>
- Three New Sections Formed in Region 8. Lebanon, Morocco, and Qatar are the newest IEEE sections in Region 8, bringing the number of sections around the world to 307. Read the story behind their formation at <http://boldfish.ieee.org/u/section89/04824637>
- Remembering Your Colleagues. Each month, The Institute publishes obituaries of IEEE members. If you wish to remember an IEEE colleague who recently died, send the member's name, grade, hometown, and other relevant information or a copy of a published obituary to institute@ieee.org
- Conference: Dealing With Offshore Oil Technologies. Whether it's designing an offshore oil-drilling platform or building systems to prevent oil spills in the sea, you can learn about the latest techniques at the 2005 Offshore Technology Conference, 2 to 5 May in Houston. More than 300 sessions will deal with oil and natural gas exploration and production, as well as the protection of the environment. Read more at <http://boldfish.ieee.org/u/oil8a/04824637>
- New Proceedings Covers Advances In Bipolar and BiCMOS Circuits. The proceedings of the 2004 IEEE Bipolar/BiCMOS Circuits and Technology Meeting consolidates the findings of academics and wireless communications industry experts in a single volume. It features key advances in the design, performance, fabrication, testing, and application of bipolar and BiCMOS integrated circuits, bipolar phenomena, and discrete bipolar devices for wireless communication. To purchase the proceedings, visit ShopIEEE at <http://boldfish.ieee.org/u/proceed8c/04824637>
- IEEE Xplore Schedules Downtime. The online publication delivery platform IEEE Xplore is scheduled to undergo a major upgrade on Saturday, 26 March, and will not be available from 8 a.m. EST (3:00 GMT) for 8 to 14 hours. The downtime has been scheduled for a day when IEEE Xplore has the least amount of traffic. Learn more at <http://boldfish.ieee.org/u/dtime8d/04824637>

U.S. GOVERNMENT AGENCY'S APPROVAL OF UNAUTHORIZED VISAS CUTS U.S. JOBS

WASHINGTON (18 March 2005) -- IEEE-USA "is extremely discouraged to learn that the United States Citizenship and Immigration Services (USCIS) in the U.S. Department of Homeland Security has accepted and approved more than 75,000 H-1B visa petitions for Fiscal Year 2005 even though they were capped at 65,000," said IEEE-USA Career Activities Vice President Ron Hira, an assistant professor of public policy at the Rochester, NY, Institute of Technology.

The IEEE-USA Vice President stressed: "We're not sure just how or why this excess in authorized visas occurred. But this certainly isn't the first time that the Federal agency charged with responsibility for

administering the nation's immigrant and non-immigrant admissions programs has failed to enforce a very plain and straightforward law. How hard can it be to count to 65,000 and stop issuing visas?"

Dr. Hira continued: "This excess in approved visas defeats the purpose of one of the most important safeguards for American workers. By increasing the number of visas issued, the USCIS has unilaterally reduced job opportunities for American workers at a critical time, when the job market is still very soft." He also noted: "Several years ago, the USCIS predecessor agency -- the Immigration and Naturalization Service (INS) -- issued 20,000 more H-1B visas than it was supposed to have approved, and added this additional number into the following year's total."

IEEE-USA's Hira also applauded Senator Charles Grassley (R-IA) and others in Congress "for moving quickly to hold the USCIS accountable for its actions." In a 7 March letter to USCIS Director Eduardo Aguirre, Senator Grassley expressed dismay that the agency seems to have ignored Congress' intent with respect to the visa cap. The senator also asked for the numbers of H-1B visa applications that have been approved, and called for an explanation of how the agency intends to ensure that issuance of more visas than authorized does not occur again.

The H-1B temporary work visa program was established by Congress to enable U.S. employers to hire foreign nationals with knowledge and skills deemed to be in short supply in the United States. H-1B visas are valid for up to six years and are currently capped at 65,000 per year. Educational institutions and related not-for profit research organization are not subject to the 65,000 cap. Late last year, an additional 20,000 H-1B visas were set aside for applicants with Masters and Ph.D. degrees from U.S. colleges and universities.

IEEE-USA 2005 YEAR-IN-REVIEW WEBPAGE, 2004 ONLINE ANNUAL REPORT COVER CURRENT, PAST CAREER ENHANCEMENT ACTIVITIES

WASHINGTON (22 March 2005)-- The IEEE organizational unit devoted to advancing the public good and promoting the careers and public-policy interests of U.S. IEEE members has unveiled two new online communications products: the 2005 year-in-review webpage; and the 2004 online annual report.

According to IEEE-USA Managing Director Chris J. Brantley, "The year-in-review webpage is designed to help IEEE-USA keep better track of our progress through the year, enhance communication with U.S. IEEE members, and provide volunteer members with a reference to help promote IEEE-USA." The page includes month-by-month highlights of IEEE-USA programs and activities such as important meetings, new product releases, policy advocacy efforts and outcomes, and other IEEE-USA milestones.

The year-in-review page is under continuous development, and can be seen at <http://www.ieeeusa.org/about/yearinreview.asp>.

Further, IEEE-USA has produced its first online annual report, which highlights the organization's efforts in 2004 when it was led by John W. Steadman, dean of the College of Engineering at the University of South Alabama in Mobile. Dr. Steadman ranked as his highest priority "communicating effectively with all U.S. IEEE members." He also cited "one of our continuing priorities...to combat unprecedented levels of unemployment among U.S. IEEE members."

To view the entire annual report, go to http://www.ieeeusa.org/about/Annual_Report/2004.pdf .(Please allow up to a minute to download on a fast connection.) A one-page summary of IEEE-USA's 2004 activities also appeared in the January 2005 IEEE SPECTRUM.

In addition, ongoing coverage of "IEEE-USA in the News" can be reviewed by yearly quarters from 2002-2005. Go to <http://www.ieeeusa.org/communications/inthenews/default.asp> .

NEWS FROM IEEE-USA

WASHINGTON (22 March 2005) -- Insights and information on engineering careers for girls and young women are the focus of a one-day, around-the-clock Internet and teleconference marathon to be held on Thursday and Friday, 24-25 March. The "Global Marathon For, By, and About Women in Engineering" will run at the Engineers Week (EWeek) web site at <http://www.eweek.org>, from noon Eastern Time (ET), Thursday, 24 March, to noon ET Friday, 25 March.

Dr. Ayanna Howard, a senior robotics engineer at NASA's Jet Propulsion Laboratory in Pasadena, Calif., and an IEEE member who works on Mars rover designs, will discuss her job and how she can make robots better at helping people, during a 30-minute teleconference scheduled from 10-10:30 p.m. ET on Thursday, 24 March. To hear Dr. Howard describe her job, the toll-free call-in number is +1 866 617 1530, and the participant passcode is 3620389. Please note: only 20 callers can be accommodated in a telephone session.

Dr. Howard's position was one of 10 "dream jobs" described in the February 2005 issue of IEEE SPECTRUM. Read the SPECTRUM article at <http://www.spectrum.ieee.org/WEBONLY/publicfeature/feb05/0205djob1.html>

Also participating for the IEEE's Women in Engineering affinity group are: Maryam Al Thani, on "Encouraging Young Women in Engineering in the United Arab Emirates" (Friday, 25 March, 1:30-2:00 a.m. ET); and Jyothi Ramaswamy, on "Being a Woman Engineer in India" (Friday, 25 March, 5:00-5:30 a.m. ET).

Other marathon highlights include a session on encouraging girls to go into engineering, led by astronaut Sally Ride, the first American woman in space.

The Global Marathon goal, says EWeek organizers, is to heighten awareness of science, technology, engineering and mathematics issues among precollege, college and young career women, as well as to address retaining women in college engineering programs and in the workplace.

The marathon kicks off with a session from the Republic of Trinidad and Tobago, sponsored by 2005 Engineers Week co-chair ASME, the American Society of Mechanical Engineers, and featuring Olympic swimmer Siobhan Cropper. The Society of Hispanic Professional Engineers (SHPE) will lead a chat on Latinas and technology. A conference originating in Scotland, and hosted by a woman engineer from BP, will examine transitioning from liberal arts to an engineering career.

Other marathon segments will originate from Qatar, India, China, Canada, and across the United States. Hosts for the final half hour on Friday, 25 March, from 11:30 a.m. to noon ET, are ASME and Engineers Without Borders, which brings sustainable, long-term benefits to impoverished communities around the globe.

A complete schedule of topics and speakers is available at <http://www.eweek.org/site/News/Eweek/24-hour.shtml>. For access information, go to the EWeek site at <http://www.eweek.org>.

Samsung to Sponsor IEEE Edison Medal

The IEEE Foundation is excited to announce that Samsung Electronics Co., Ltd. is the latest addition to the ranks of the IEEE Awards sponsors. They join Qualcomm, Texas Instruments, Sony, IBM, Lucent Technologies, and many others in appreciating the need to recognize and reward excellence in engineering. Beginning in 2006 and continuing for ten years, Samsung will sponsor the prestigious IEEE Edison Medal. Created in 1904 by a group of Thomas Edison's friends and associates, this Medal may be presented to an individual for a career of meritorious achievement in electrical science, electrical engineering, or electrical arts. The prize items include a US\$10,000 honorarium, gold medal, gold pendant, and certificate. To learn about this Medal, as well as the other Awards presented by the IEEE, go to <http://www.ieee.org/awards>.

**IEEE-USA Intellectual Property Committee Chair and Copyright Attorney
Available for Interviews on MGM vs. Grokster Electronic File Sharing Case
Before Supreme Court**

WASHINGTON (30 March 2005) - IEEE-USA Intellectual Property Committee (IPC) Chair Andrew Greenberg is available to assist journalists working on the "MGM Studios vs. Grokster" electronic file sharing case now before the U.S. Supreme Court. Oral arguments were heard Tuesday.

Greenberg, an intellectual property attorney with Carlton Fields, P.A. in Tampa, Fla., helped draft the amicus curiae brief IEEE-USA filed in the case in January. IEEE-USA proposed that artists' works and technological innovation can both be accommodated by holding a manufacturer of a technology having non-infringing uses liable only when the manufacturer had actively induced its customers to infringe. Active inducement solutions were raised by the Court during oral arguments.

"File-sharing technology serves as the basis for the Internet and should be unrestricted to produce future revolutionary digital products," Greenberg said. "On the other hand, copyright owners must not be left to the mercy of those who set out to knowingly and intentionally induce third parties to infringe. The fact that neither party has embraced the Court's suggestion confirms that active inducement may be the middle ground the Court is seeking."

Greenberg testified before Congress on the "Inducing Infringement of Copyrights Act of 2004" (<http://www.ieeeusa.org/policy/issues/INDUCE/index.html>) and worked with former IEEE-USA IPC Chair Glenn Tenney to amend the failed legislation.

The final version of IEEE-USA's friend-of-the-court brief is accessible at <http://www.ieeeusa.org/policy/POLICY/2005/MGMvGrokster.pdf>. The 24 January news release is available at <http://www.ieeeusa.org/communications/releases/2005/012405pr.asp>.

The Supreme Court is expected to release its decision in June.

IEEE Virtual Museum Exhibit Gets Accolades

The IEEE Virtual Museum has launched its latest exhibit, "Songs in the Key of E," which explores the numerous ways electronics have been used to create music. With examples such as the singing arc, the theremin and the synthesizer, among others, the exhibit highlights both the inventors of electronic instruments and the instruments themselves, and uses audio clips to demonstrate the various sounds.

This is the eighth IEEE Virtual Museum exhibit since its launch in 2002. Aimed at pre-college students and their educators, the museum explores the global impact of electrical and information sciences and technologies to demonstrate how relevant engineers are to society.

The IEEE Cincinnati Section Executive Committee

Member Names and Phone Numbers

Cincinnati Section Voice Mail	513-629-9380 (call for meeting reservations)
Section Web Page	http://ieee.cincinnati.fuse.net/
Jim Everly - Chair	513-777-7129, j.everly@ieee.org (E-mail)
Steve Olenick - Vice Chair	513-554-2059 (Office), 513-642-3220 (Fax), steveo@nsseng.com (E-mail)
Laurie Tappel - Treasurer	513-397-6383, laurie.tappel@cinbell.com (E-mail)
Ron Harbaugh - Secretary	513-769-3781, ron.harbaugh@ieee.org (E-mail)
Brian J. Resnick - Member-At-Large & PACE Chair	513-556-4244 (Office), 513-759-5367 (Fax), Brian.Resnick@ieee.org (E-mail)
Randy Restle - Member-At-Large	rrestle@ieee.org (E-mail)
Charlie Nash - Arrangements Chair	513-723-3849, cnash@ieee.org (E-mail)
Randy Holt – Membership	859-572-5710 (Office), Holthr@nku.edu (E-mail)
Bob Morrison - Editor	513-287-3697 (Office), 513-287-4155 (Fax), j.r.morrison@ieee.org (E-mail)